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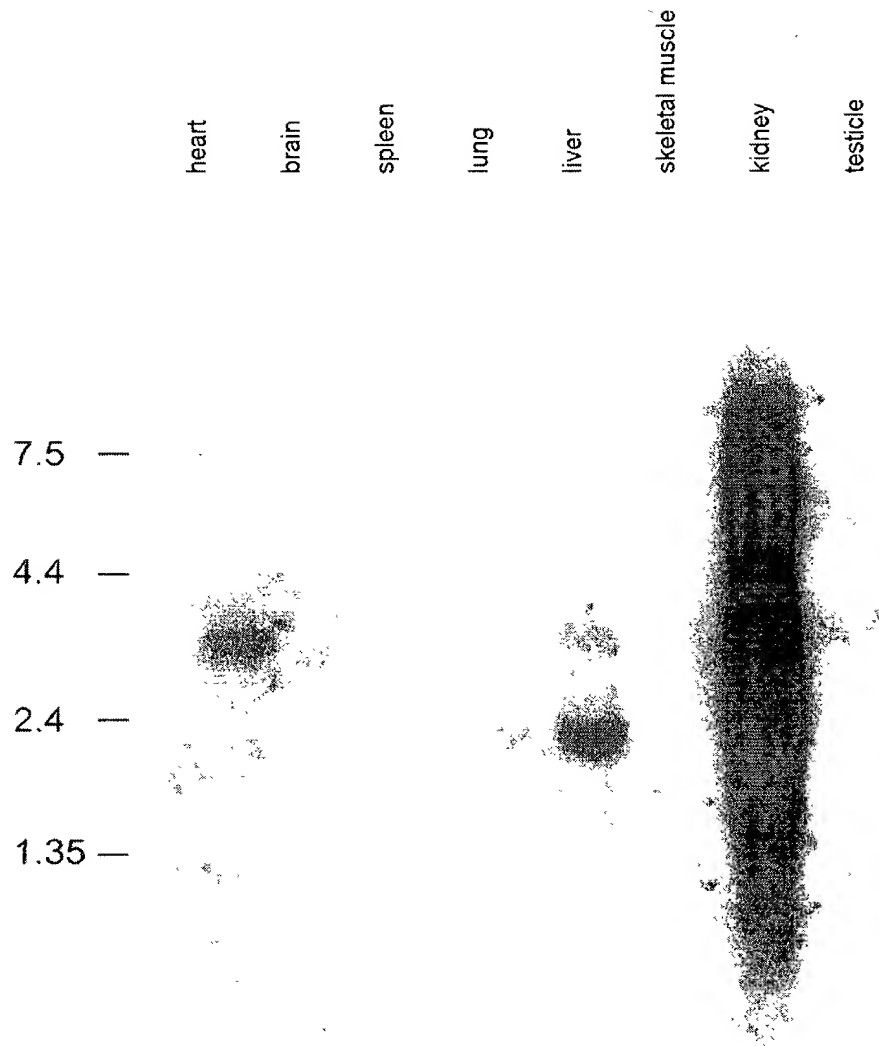


Fig. 1b

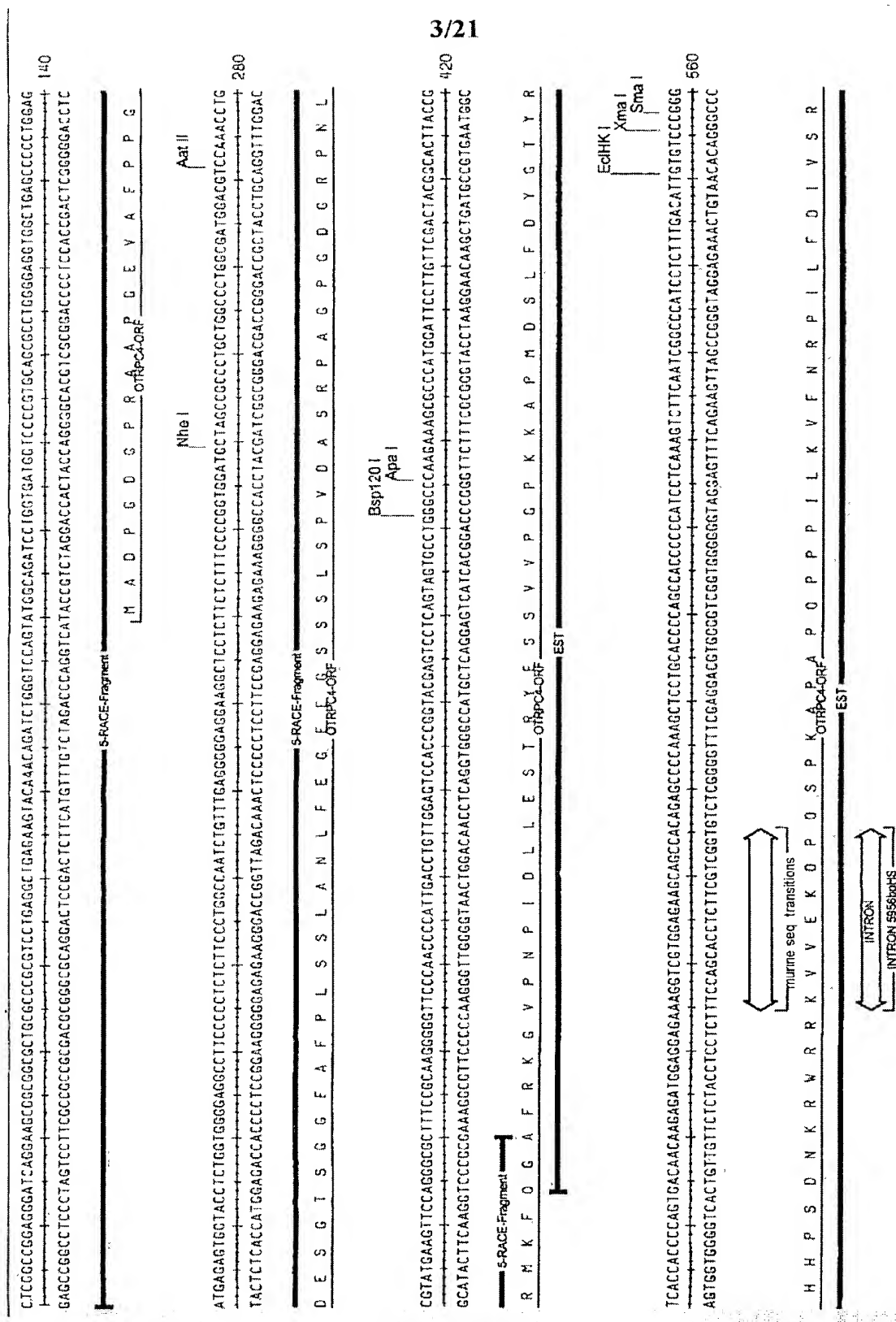
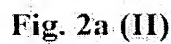


Fig. 2a (1)



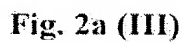


Fig. 2a (IV)

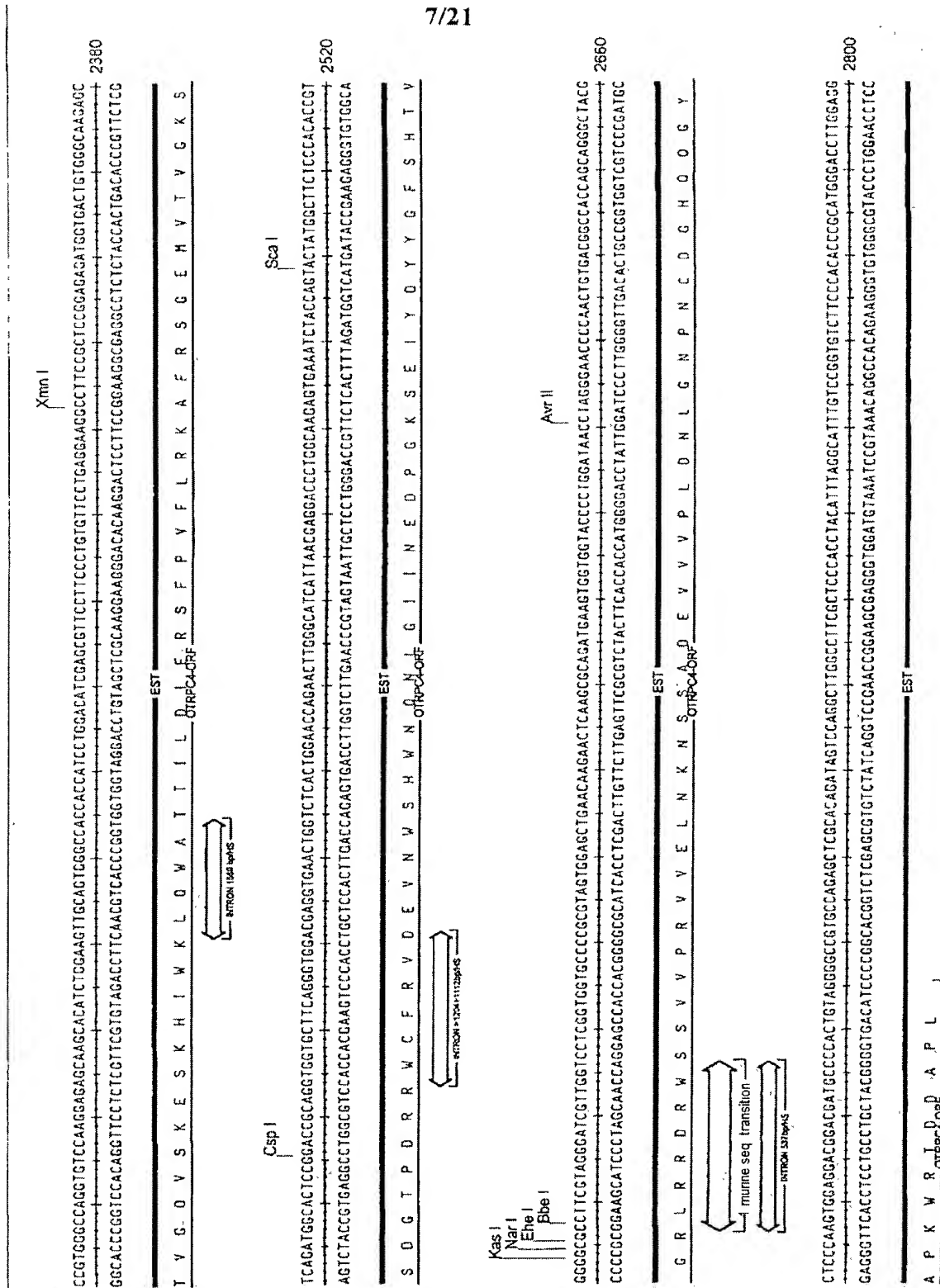


Fig. 2a (V)

TGAAGGCTCTGTGGGACTCTGTGAGAGGCCCGAGSACCTCTGGTCCCGCAGAGACTTTTGGCTTCACCTCTACTCCGCATCGGGGGGGGGGCTCTGGGCTACCTTGTCTCGCTCGCTCCCATGGAGTCACCTAAG
 2940
 ACTTCCCGGACACACCCGCTGAGACACCTTCGGGGTCTCTGGAGACACAGGGGGGTTCTGAACAGGAAGTGTGAGATGAGGGGTGTACCTCCCTCCGCTCCCGAGGACCGATGACAGAGCGAGGAGGTACCTCAGTGGATTC

CCAGCACAAGGCCCTCTCTCGAAGGCTCAGGCCCATCCCTCTTGCTATTTATTTGCTCTCCTCAGGAAATGGGGTGGCAGGAGTCCACCCGGCTGGACCTGGCCACGGCTGAACCTCATGCAAGGACCG
GGTGGTGTTCCGGGGGACAGAGCTTCGAGCTCGGGTAGGAGAGAACACATAATAAATACGACAGGAGTGCTTTTACCCACCGTCTCTCAGTGGGCCCGGACCTTGGACCGGTCCGAGTTCGAGTACGTCTCCCTGGC
3080

TGCAGCTCCGACCTGCCACAGATCTGACCTCTCTCAGCCTTGGCTAGTGTGGTCTTCTGACTTTGAAGAGATCGGGCGCTGGTGCTCAATAAATGTTATTCCTCGGTGCAAAAAA
 AAAAAA
 ACGTCGAGGCTGGACGGTGTCTAGACATGAGACGCTGGGACCGATCAACCCACAGACATGAACATCTCTAGCCCGGCGACACAGTATTTACAAATAGAGCCACCTTTT
 TTTT
 3220

[illegible]

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$$\begin{aligned} \frac{\partial^2 \mathcal{L}}{\partial \mathbf{w}^2} &= \frac{\partial^2}{\partial \mathbf{w}^2} \left(\frac{1}{2} \mathbf{w}^T \mathbf{A} \mathbf{w} + \mathbf{b}^T \mathbf{w} + c \right) = \mathbf{A} \\ \frac{\partial^2 \mathcal{L}}{\partial \mathbf{w} \partial \mathbf{b}} &= \frac{\partial}{\partial \mathbf{w}} \left(\frac{\partial \mathcal{L}}{\partial \mathbf{b}} \right) = \frac{\partial}{\partial \mathbf{w}} (-\mathbf{b}) = -\mathbf{I} \\ \frac{\partial^2 \mathcal{L}}{\partial \mathbf{b} \partial \mathbf{w}} &= \frac{\partial}{\partial \mathbf{b}} \left(\frac{\partial \mathcal{L}}{\partial \mathbf{w}} \right) = \frac{\partial}{\partial \mathbf{b}} (\mathbf{A} \mathbf{w} + \mathbf{b}) = \mathbf{I} \\ \frac{\partial^2 \mathcal{L}}{\partial \mathbf{b}^2} &= \frac{\partial^2}{\partial \mathbf{b}^2} \left(\frac{1}{2} \mathbf{w}^T \mathbf{A} \mathbf{w} + \mathbf{b}^T \mathbf{w} + c \right) = \mathbf{0} \end{aligned}$$

Fig. 2a (VI)

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Mouse kidney, sagittal section



Fig. 3a

Mouse kidney, horizontal section

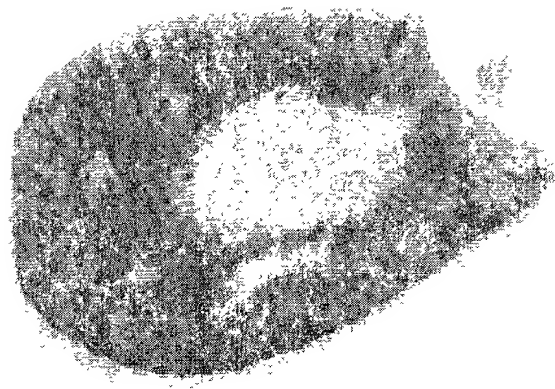


Fig. 3b

Fig. 3d

Mouse brain, coronary section



Fig. 3e

Mouse brain, sagittal section



Fig. 3f

Mouse brain, horizontal section



Fig. 3g

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Mouse, choroid plexus



Fig. 3h

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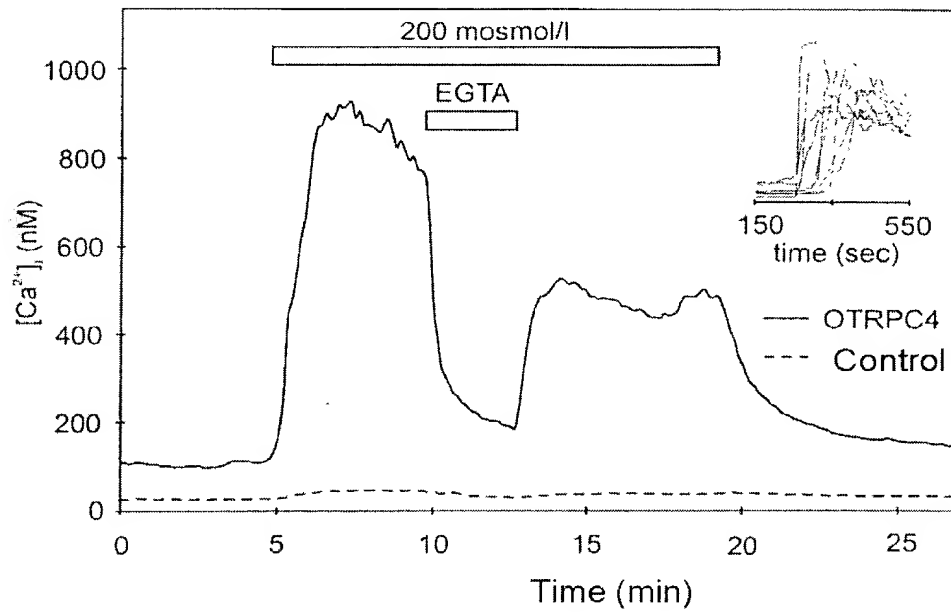


Fig. 4

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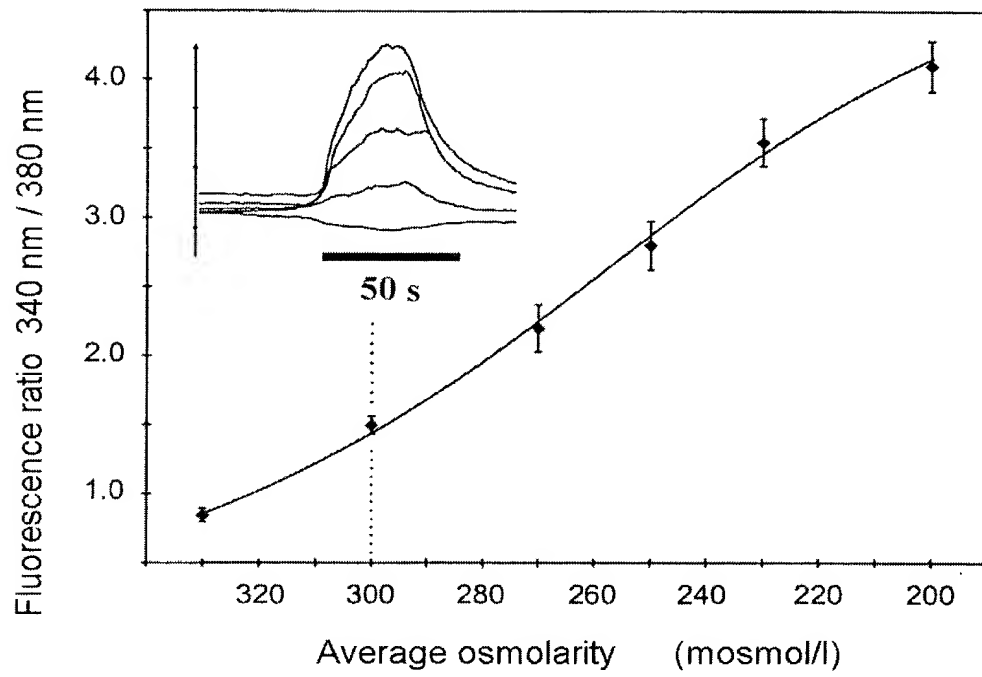


Fig. 5

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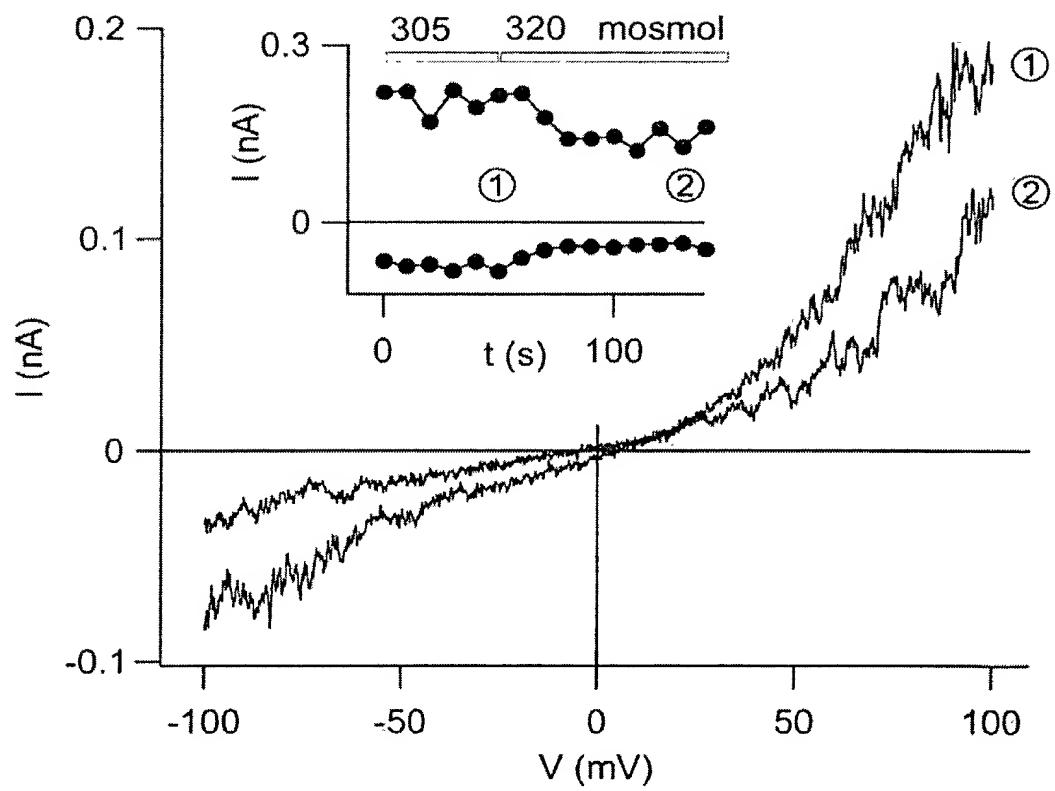


Fig. 6

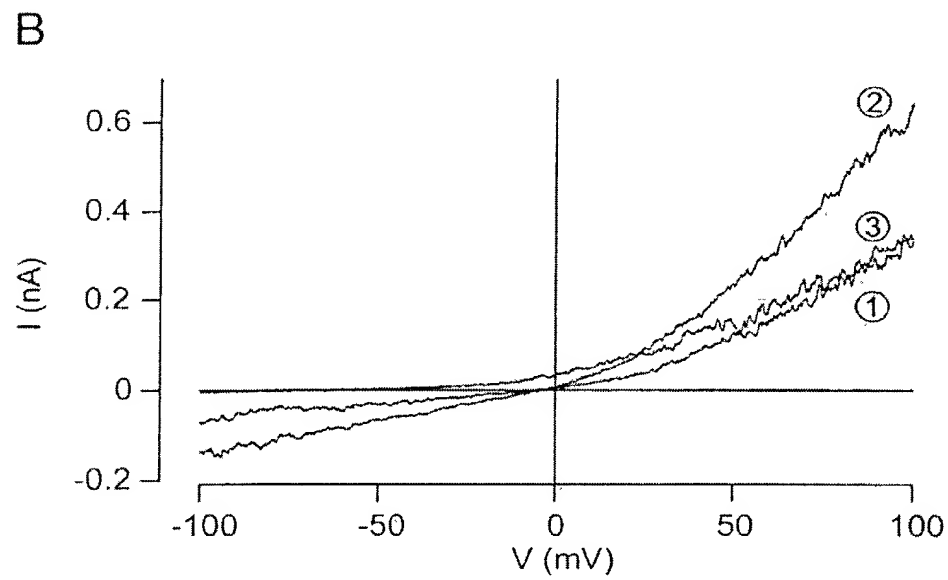
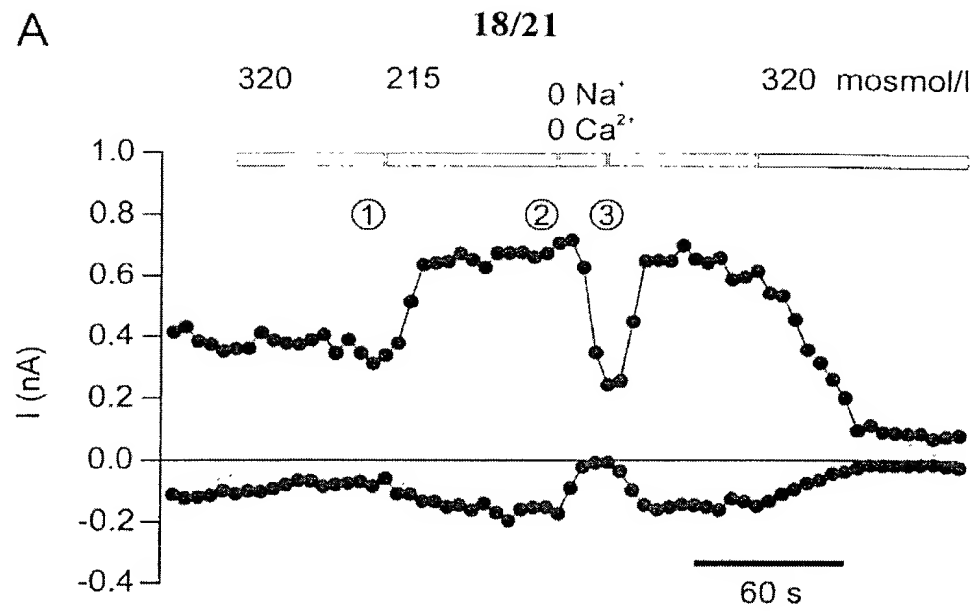


Fig. 7

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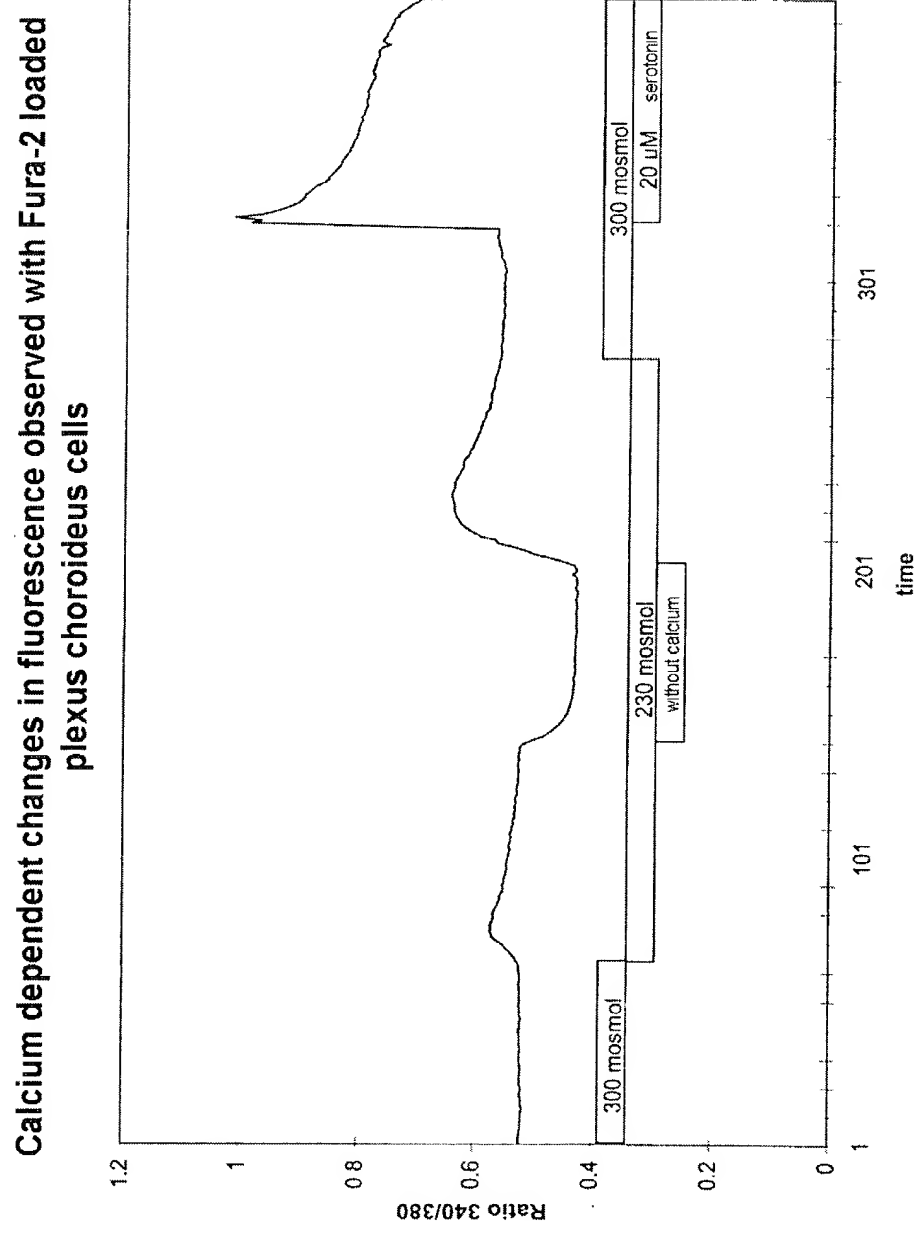
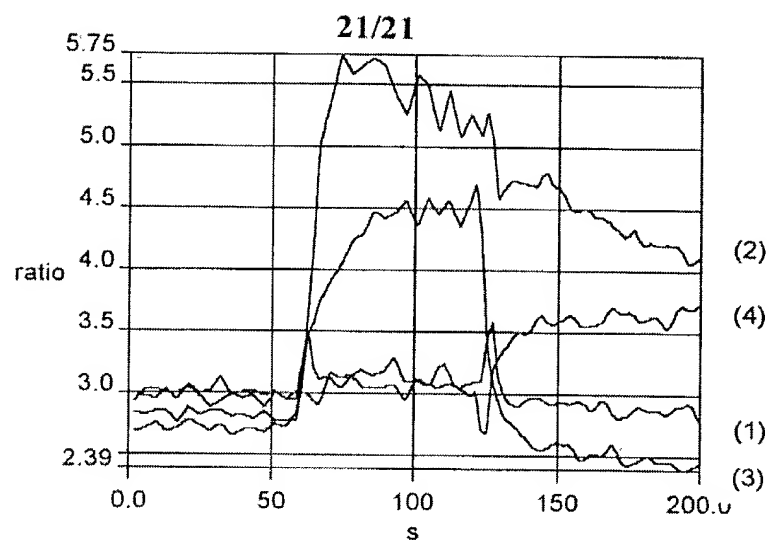


Fig. 9



- _____ (1) Control
- _____ (2) Ionomycin (2 μ M) EGTA
- _____ (3) hypotonic solution (220 mosmol/l) EGTA
- _____ (4) LOE908(100 μ M) hypotonic solution (220 mosmol/l)

Fig. 10